Short Operating Instructions
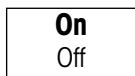
For further information, please refer to the operators Manual

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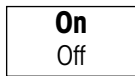## XP / XS Analytical- and Precision Balances

Basic Functions:

Switching on and off Display

1. Switch on display: Press the «**On/Off**» key briefly. The display performs a test and is then ready to weigh.

| **On** |
| Off |

2. Switch off Display; Press and hold the «**On/Off**» key until the message "OFF" appears in the display. The display then fades and the balance is switched off.

| **On** |
| Off |

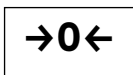#### User Profile: *only XP

Choose User Profile

This key can be used to call up the desired user profile. Different settings can be stored in a user profile.
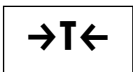
Example

Zero Display

Zeroing: Press the «→0←» to set a new zero point.

$$\rightarrow 0 \leftarrow$$

Always use the «→0←» before you start the weighing procedure.

Tare Display

Taring: If you work with a Tare container, first zero the balance. Then put the Tare container on the balance and press «→T←», to tare the balance.

$$\rightarrow T \leftarrow$$

Additional Functions:

Weighing-Applications

XS Balance
XP Balance

Choose the application: If you want to change the application, then press the application menu button and choose another application.

Test:

Levelling, Internal Adjustment (Factory setting)

1. Level indicator is built-in in the device.

2. Level indicator is not centered.*

3. Release the clamps.*

4. Levelling. After this process, lock the clamps again.*

5. **Internal Adjustment**

Pressing this function key triggers a balance adjustment using the built-in calibration weight. This can be implemented at any time.

0.00 g

Weighing Setup: For more precision / shorter stability time

Weighing filters: Weighing mode

1. Choose System-Set-up

2. Define Weighing parameters

    Wghparam

3. Define the Weighing mode

Advise:
Solids:
«Universal»

Powder, Liquid:
«Dosing»

Weighing filters: Environment

1. Choose System-Set-up

2. Define Weighing parameters

    Wghparam

3. Define Environment

Advise:
Fume cupboard – unstable weighing table:
«Unstable»,
«Very unstable»

Stable Weighing table, no drafts
«Standard», «Stable»

Weighing filters: Value Release

1. Choose System-Set-up

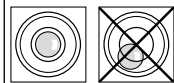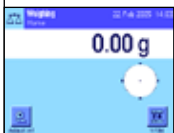2. Define Weighing parameters

    Wghparam

3. Define Value Release

Advise:
Highest Precision:
«Very reliable»

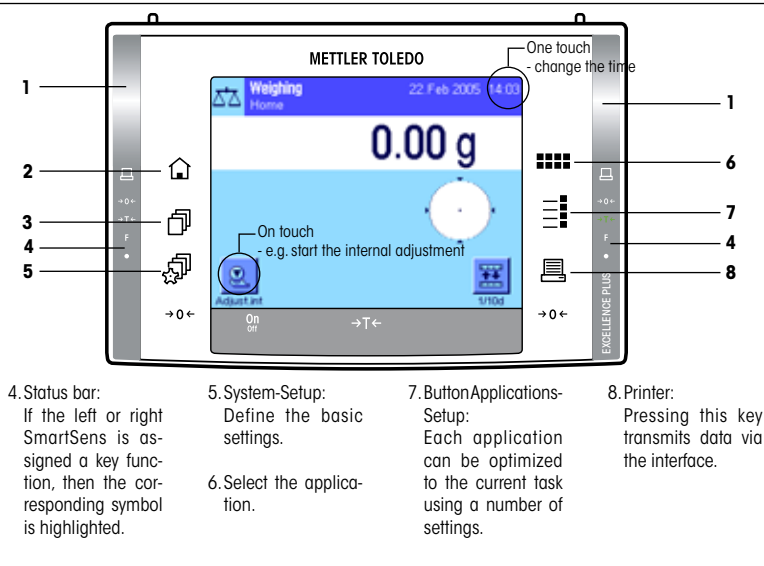Fast Value Release:
«Very fast»,
but less precision

* depending on balance

METTLER TOLEDO Excellence Plus and Excellence Balances

Overview of the Terminal XP Analytical- and Precision balances:

XP Display Terminal

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One touch - change the time

Weighing
Home
22 Feb 2005 14:03

0.00 g

On touch - e.g. start the internal adjustment

Adjust int

1/10d

On off   →T←   →0←

→0←

EXCELLENCE PLUS

1. Button SmartSens:
   Each of these two contact-free sensors can be assigned a key or menu function.

2. Button Home:
   This key can be used to return to the "Home" user profile from any menu level in any application.
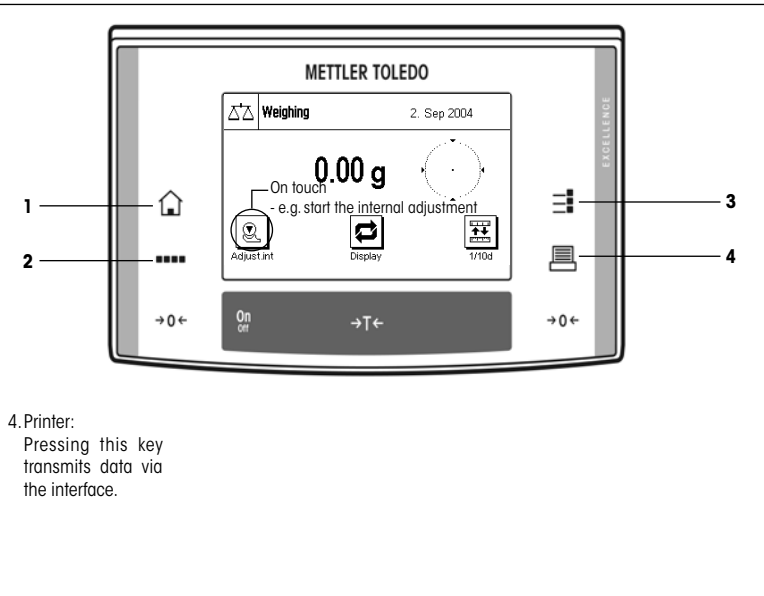
3. Button User profile:
   This key can be used to call up the desired user profile. Different settings can be stored in a user profile.

4. Status bar:
   If the left or right SmartSens is assigned a key function, then the corresponding symbol is highlighted.

5. System-Setup:
   Define the basic settings.

6. Select the application.

7. Button Applications-Setup:
   Each application can be optimized to the current task using a number of settings.

8. Printer:
   Pressing this key transmits data via the interface.

Overview of the Terminal XS Analytical- and Precision balances:

XS Display Terminal

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EXCELLENCE

Weighing
2. Sep 2004

0.00 g

On touch - e.g. start the internal adjustment

Adjust int   Display   1/10d

On off   →T←   →0←

→0←

1. Button Home:
   This key can be used to return to the "Home" user profile from any menu level in any application.

2. Weighing application:
   By pressing this symbol you can choose the desired application.

3. Button Applications-Setup:
   Each application can be ideally adapted to the current task using a number of settings.

4. Printer:
   Pressing this key transmits data via the interface.

*1 1 7 8 1 0 2 7 *